|   | 1 (11 (10 (10 (1) 10 (1) 10 (10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) |                   |          |          |          |           |           |         |              |           |   |   |       |          | 10/796,466                                       |                    |              |  |                    |           |          |           |        |          | BRENDEL ET AL. |                 |          |          |           |          |                     |          |          |           |  |
|---|---|-------------------|----------|----------|----------|-----------|-----------|---------|--------------|-----------|---|---|-------|----------|--|--------------------|--------------|--|--------------------|-----------|----------|-----------|--------|----------|----------------|-----------------|----------|----------|-----------|----------|---------------------|----------|----------|-----------|--|
|   |   |                   |          |          |          |           |           |         |              |           |   |   |       | 1        | Examiner   |                    |              |  |                    |           |          |           |        | Art Unit |                |                 |          |          |           |          |                     |          |          |           |  |
|   |   |                   |          |          |          |           |           |         |              |           |   |   |       |          | 1  | Patricia L. Morris |              |  |                    |           |          |           |        |          |                | 1625            |          |          |           |          |                     |          |          | ·         |  |
|   |   | (Through numeral) |          |          |          |           |           |         |              |           |   |   |       |          |  | `                  | 1            | П  | _                  | -         |          | _         |        | 1        | П              |                 |          |          |           |          | $\neg$              |          |          |           |  |
|   |   |                   | √        | Rejected |          |           | Cancelled |         |              |           |   |   | ai ai |          |  | N                  | Non-Elected  |  |                    |           | Α        |           | Appeal |          |                |                 |          |          |           |          |                     |          |          |           |  |
|   |   |                   | =        | Allowed  |          |           |           | +       | ÷ Restricted |           |   |   |       |          |  | I Interference     |              |  |                    |           | o        | Objected  |        |          |                |                 |          |          |           |          |                     |          |          |           |  |
|   | Cla   | im                |          | Date     |          |           |           |         |              |           |   |   | Claim |          |  |                    |              | Date   |                    |           |          |           |        | aim      |                | Date            |          |          |           |          |                     | $\neg$   |          |           |  |
|   |   |                   |          |          |          | Ť         | T         |         |              |           | 1 |   |       |          |  | T                  | T            |  | Ĭ                  | Ī         | TT       |           |        |          |                | $\Box$          | П        |          | ΠĪ        | 741      | Ī                   | $\neg$   |          | ᅥ         |  |
|   | Final   | Original          | 4/05     |          |          |           |           |         |              |           |   |   | Final | Original |  |                    |              |  |                    |           |          |           |        | Final    | Original       |                 |          |          |           |          |                     |          |          |           |  |
|   |   | 1                 | 7        |          | $\dashv$ | 1         | $\dashv$  | +       | +            | +         | - | ŀ |       | 51       |  | +                  | +            | $\vdash$   | $\vdash$           | $\dashv$  | $\dashv$ |           |        |          | 101            |                 | 1        | 1        |           | _        |                     |          | $\dashv$ | ᅥ         |  |
|   |   | 2                 |          |          |          |           |           |         | L            | $\bot$    | ] | [ |       | 52       |  | $\bot$             | $\bot$       |  |                    | $\dashv$  |          |           |        |          | 102            |                 | _        | $\dashv$ |           |          |                     | $\dashv$ | $\dashv$ | 4         |  |
|   |   | 3                 | $ar{}$   | $\vdash$ | $\dashv$ | -         | +         | +-      | ╀            | +         | - | ŀ |       | 53<br>54 |  | +                  | +            | ├  | Н                  | $\dashv$  | $\dashv$ |           |        |          | 103<br>104     |                 | -        | -        | $\dashv$  | -        |                     |          | $\dashv$ | ╡         |  |
|   |   | 5                 | 1        |          |          |           | _         | 1       | t            | †         | ∐ | t |       | 55       |  |                    |              |  |                    |           |          |           |        |          | 105            |                 |          |          |           |          |                     |          |          | ╛         |  |
|   |   | 6                 | Ŋ        |          | 4        |           | $\prod$   | 1       | F            | 1_        | ] |   |       | 56       |  | $\bot$             | $\downarrow$ | igspace  |                    | $\Box$    |          |           |        |          | 106            | Ш               |          |          |           |          |                     |          |          | 4         |  |
|   |   | 7<br>8            | 7.       | $\vdash$ | $\dashv$ | $\dashv$  | +         | +       | +            | ╁         | - | ŀ |       | 57<br>58 | <del>                                     </del> | +                  | +            | ├  | Н                  | ᅱ         | $\dashv$ |           |        |          | 107<br>108     |                 | $\dashv$ | -        | -         | -        |                     | $\dashv$ | $\dashv$ | 4         |  |
|   |   | 9                 |          |          | $\dashv$ | $\exists$ | $\dashv$  | +       | †            | $\dagger$ | 1 | ı |       | 59       |  | +                  | †            | ┢  |                    | $\dashv$  | $\dashv$ |           |        |          | 109            | H               | T        | $\dashv$ |           |          | -                   |          | _        | $\dashv$  |  |
|   |   | 10                |          |          | $\Box$   |           | $\Box$    |         | I            | $\perp$   | ] |   |       | 60       |  |                    |              |  |                    |           |          |           |        |          | 110            |                 |          |          |           |          |                     |          |          |           |  |
|   |   | 11                |          |          | $\dashv$ | -         | $\dashv$  | $\perp$ | +            | +         | - |   |       | 61<br>62 | $\vdash$   | +                  | +-           | ├  | $\vdash \vdash$    | $\dashv$  | $\dashv$ |           |        |          | 111<br>112     | Н               | 4        | _        | $\dashv$  | _        | $\vdash$            | $\dashv$ | $\dashv$ | 4         |  |
|   |   | 12<br>13          |          |          | $\dashv$ |           | $\dashv$  | +       | ╁            | ╁         | 1 | ŀ |       | 63       |  | +-                 | ╁            | ┢  | Н                  |           | -        |           |        |          | 113            |                 | -        | $\dashv$ | -         |          | $\vdash$            | -        | $\dashv$ | ┪         |  |
|   |   | 14                |          |          | 士        |           |           |         | İ            |           |   | Ì |       | 64       |  |                    |              |  |                    |           |          |           |        |          | 114            |                 |          |          |           |          |                     |          |          |           |  |
|   |   | 15                |          |          | $\dashv$ |           | _         | 1       | $\perp$      | $\perp$   |   |   |       | 65       |  | _ _                | _            |  |                    | _         | _        |           |        |          | 115            |                 | _        | _        |           |          |                     |          | _        | _         |  |
|   |   | 16<br>17          |          |          |          | -         |           | +       | +            |           | - | ŀ |       | 66<br>67 |  |                    | +            | -  | $\left  - \right $ |           | $\dashv$ |           |        |          | 116<br>117     | -               | -        | $\dashv$ |           |          | $\vdash$            | $\dashv$ | -        | $\dashv$  |  |
|   |   | 18                |          |          | 1        | -         | $\dashv$  | +       | 十            | +         | 1 | ł |       | 68       | $\vdash$   | - -                | ╅            | <del>                                     </del> |                    | $\dashv$  | $\dashv$ |           |        |          | 118            | $\vdash$        | _        | $\dashv$ | $\dashv$  | _        | H                   | $\dashv$ | $\dashv$ | -         |  |
|   |   | 19                |          |          | $\Box$   |           | $\Box$    |         |              | $\perp$   | ] | Ī |       | 69       |  |                    | $\top$       |  |                    |           |          |           |        |          | 119            |                 |          |          |           |          |                     |          |          |           |  |
|   |   | 20<br>21          |          |          | $\dashv$ | _         | -         | +       | +            | +         | 4 | } |       | 70<br>71 | $\vdash$   | +                  | +-           | ├  |                    | -         | _        |           |        |          | 120<br>121     | $\vdash$        | _        | 4        | $\dashv$  | _        | $\dashv$            | $\dashv$ | -        | _         |  |
|   |   | 22                |          |          | -        |           |           | ╁       | ╁            | ╁         | - | ŀ |       | 72       | ┼╌┼  | +                  | +            | $\vdash$   |                    | $\dashv$  | $\dashv$ |           |        |          | 122            | H               | _        | $\dashv$ | $\dashv$  | -        |                     | $\dashv$ | $\dashv$ | -         |  |
|   |   | 23                |          |          |          |           |           |         |              |           | ] | t |       | 73       |  |                    |              |  |                    |           |          |           |        |          | 123            |                 |          |          |           |          |                     |          |          |           |  |
|   |   | 24                |          |          | _        | 4         |           | $\perp$ | ╀            |           | 4 | ļ |       | 74       |  | 4-                 |              |  | $\Box$             | _         |          |           |        |          | 124            |                 |          |          |           |          |                     | _        | $\dashv$ |           |  |
|   |   | 25<br>26          | $\dashv$ |          | $\dashv$ | $\dashv$  | +         | +       | ╁            | -         | - | - | -     | 75<br>76 |  | +-                 | ╁            | -  | $\vdash$           | -         | $\dashv$ | $\dashv$  |        |          | 125<br>126     | Н               | _        | $\dashv$ | $\dashv$  | _        |                     | +        | $\dashv$ |           |  |
|   |   | 27                |          |          | 1        | $\dashv$  | 1         |         | $\dagger$    | T         | 1 | - |       | 77       |  | +-                 | ┪            | -  | $\exists$          |           | _        | _         |        |          | 127            |                 |          |          | $\exists$ |          |                     | 7        | 1        | _         |  |
|   |   | 28                |          |          | $\Box$   | $\Box$    |           | $\bot$  | I            |           |   | [ |       | 78       |  |                    |              |  |                    |           |          |           |        |          | 128            |                 |          |          |           |          |                     |          |          |           |  |
|   |   | 29<br>30          | _        | _        | -        | 4         | -         | ╁       | ╀            | ╄         | - | - |       | 79<br>80 |  |                    | 4            | <b>!</b>   | Н                  | -         | $\dashv$ | $\dashv$  |        |          | 129<br>130     | $\square$       | 4        | _        | $\dashv$  | _        | $\dashv$            | $\dashv$ | $\dashv$ | 4         |  |
|   |   | 31                | $\dashv$ |          | $\dashv$ | $\dashv$  | +         | +       | +            | +         | 1 | ŀ |       | 81       | $\vdash$   | +                  | +-           | $\vdash$   | $\vdash$           | ᅱ         | -        | $\dashv$  |        |          | 131            | $\vdash$        | $\dashv$ | $\neg$   | $\dashv$  |          | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$  |  |
|   |   | 32                |          |          | $\Box$   |           |           |         | Ţ            |           | ] | Ţ |       | 82       |  | Ţ                  |              |  |                    |           |          |           |        |          | 132            |                 |          |          | $\Box$    |          |                     |          | $\Box$   | $\Box$    |  |
|   |   | 33<br>34          | $\sqcup$ |          | $\dashv$ | -         | +         | $\perp$ | +            | +         | - | ŀ |       | 83<br>84 | - -  | +                  | -            |  | -                  | -         | -        | $\dashv$  |        |          | 133<br>134     | $\vdash \vdash$ | $\dashv$ |          | $\dashv$  | _        | $\vdash \downarrow$ | _        | -        | 4         |  |
|   |   | 35                | $\vdash$ |          | $\dashv$ | $\dashv$  | +         | +       | +            | +         | - | ŀ |       | 85       | $\vdash$   | +                  | +            | $\vdash$   | H                  | $\dashv$  | -        | $\dashv$  |        |          | 134            | Н               | $\dashv$ | $\dashv$ | $\dashv$  |          |                     | $\dashv$ | $\dashv$ | $\dashv$  |  |
|   |   | 36                |          |          | $\Box$   |           |           | 士       | $\downarrow$ |           | ] | Ì |       | 86       |  |                    | 上            |  |                    | $\exists$ |          |           |        |          | 136            |                 | ╛        |          |           |          |                     |          |          | ╛         |  |
|   |   | 37                |          |          | _        | 4         | _         | -       | ╀-           | 1         | - | ŀ |       | 87       | - -  |                    | 1            |  | Ш                  | _         |          |           |        |          | 137            | $\sqcup$        | 4        | 4        | _         |          |                     | _        |          | 4         |  |
|   |   | 38<br>39          | $\dashv$ |          | $\dashv$ | $\dashv$  | +         | +       | +            | +         | - | ŀ |       | 88<br>89 | $\vdash$   | +                  | +            |  | $\vdash$           | -         | $\dashv$ |           |        |          | 138<br>139     | $\vdash$        | $\dashv$ | $\dashv$ |           | -        |                     | -        | +        | $\dashv$  |  |
|   |   | 40                |          |          |          | _         |           | $\perp$ | $\dagger$    | $\perp$   | 1 | ŀ |       | 90       |  | 士                  | $\perp$      |  |                    |           |          | $\exists$ |        |          | 140            |                 |          |          |           |          |                     |          |          | $\exists$ |  |
|   |   | 41                |          |          |          | $\Box$    |           |         | Γ            |           |   | [ |       | 91       | П  | T                  | Ţ            |  |                    | $\Box$    |          |           |        |          | 141            | П               | $\Box$   | $\Box$   | $\Box$    |          |                     |          | 4        |           |  |
|   |   | 42<br>43          | -        | -        |          | $\dashv$  | +         | +       | +            | +         | - | } |       | 92<br>93 | $\vdash$   | +                  | +            | -  |                    | $\dashv$  |          |           |        |          | 142<br>143     | ├┤              | $\dashv$ |          |           | $\dashv$ | $\dashv$            | -        | $\dashv$ | $\dashv$  |  |
|   |   | 44                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | +       | +            | +         | - | ŀ |       | 94       | $\vdash$   | +                  | +            |  | Н                  | $\dashv$  | _        | $\dashv$  |        |          | 144            | -               | 7        | ╗        | +         |          |                     | $\dashv$ | $\dashv$ | $\dashv$  |  |
| į |   | 45                |          |          |          | $\Box$    | 丁         | $\perp$ |              |           |   | ľ |       | 95       |  |                    |              |  |                    |           |          |           |        |          | 145            |                 | $\Box$   |          | ╛         |          |                     |          |          |           |  |
|   |   | 46<br>47          | -        | _        | 4        | -         | _         | +-      | 1            | +         | 4 | - |       | 96       | oxdot  | $\bot$             | +            | _  |                    |           |          | _         |        |          | 146            | $\vdash$        |          | 4        | _         | 4        |                     | 4        | -        | 4         |  |
| - |   | 48                | -        | -        | $\dashv$ | $\dashv$  | $\dashv$  | +-      | +            | +         | 1 | ŀ |       | 97<br>98 | $\vdash$   | +                  | +            | $\vdash$   | $\vdash$           | $\dashv$  | $\dashv$ | $\dashv$  |        |          | 147<br>148     | $\vdash \vdash$ | +        | $\dashv$ | $\dashv$  | $\dashv$ | -                   | $\dashv$ | $\dashv$ | $\dashv$  |  |
|   |   | 49                |          |          |          |           |           |         |              | I         |   | ľ |       | 99       |  |                    |              |  |                    | $\exists$ |          |           |        |          | 149            |                 |          | d        |           |          |                     | ╛        |          |           |  |
| 1 |   | 50                |          |          | $\Box$   | $oxed{J}$ | $\prod$   |         |              |           | ] | [ |       | 100      |  |                    |              |  |                    |           | $\Box$   |           |        |          | 150            |                 |          |          |           | $\Box$   |                     |          | $\Box$   |           |  |

Application No.

Index of Claims

Applicant(s)

BRENDEL ET AL.